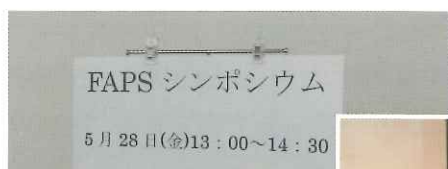


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A Letter from President



Hiroyuki Nishide, President of FAPS
Waseda University, Tokyo, Japan
nishide@waseda.jp

The greatest earthquake of the millennium that occurred on March 11th, and over 15m subsequent tsunami, caused unprecedented damage to a wide spectrum of Pacific coasts in eastern Japan. Now, we should recognize the great power of nature and also review how science could help to predict how we could contribute to prevent such a disaster. On the other hand, it has allowed us to re-realize how precious human lives and human bonds are. We greatly appreciate your heartwarming e-mails of encouragement.

The accident that occurred at the nuclear power plant made it clear that it is beyond the capability of atomic energy-related scientists and engineering experts to show the appropriate countermeasures on the way to cool and seal the atomic reactors, and to remove the leaked radioactive materials, which increased the public anxiety. In addition, the suppression due to power shortages in the Tokyo area has shown us that our rich and comfortable lives have been attained only on the delicate balance with unpredicted risks, which are easily collapsed. This great earthquake not only caused great damage to the Japanese economy and society, but also gave us a warning concerning global issues such as global warming measures, energy supplies, and securities for the people.

The polymer industries in Asia have been dynamic enough to lead the world manufacturing because of their tough competition and international specialization as partners. Currently, we recognize that highly cited and highlighted papers from academic journals are very often reported by Asian polymer scientists. In May 2010, FAPS held a council meeting at a mini-symposium in Yokohama and published the 2nd and the 3rd Issues of Newsletter. FAPS has been admitted as an IUPAC-Associate Member and is cooperating with International Year of Chemistry, IYC2011, too. We are sure that if we can extract and provide information from the great earthquake and the subsequent accidents, and can share the time for restoration together among our polymer community gathered in the coming 2nd Congress in Beijing, it would be a great opportunity to contribute to the energy supply, the environmental, and the security issues on a global scale in the first half of this century.

International Year of Chemistry 2011; Events in Japan

IYC (International Year of Chemistry) Japan Committee (chairman: Prof. Ryoji Noyori) was established in August 2010, and since then we have set up over 50 events. The list of representative events we have organized is shown below.

The Society of Polymer Science, Japan (SPSJ) announced about IYC on their January issue and they are preparing for the IYC Symposium entitled “Polymers for Our Future” in the coming November. In addition, they are now distributing IYC logo stickers to put on your name cards (see below)

Hiroyuki NISHIDE

Chair, Executive Committee of IYC Japan

Events

- Countdown Symposium IYC2011 Japan (*Dec 1, The University of Tokyo*)
- The IYC International Women’s Network Event in Japan (*Jan 18, Tokyo*)
- Essay Contest for Elementary and Middle School Students on Madam Curie’s Biography (*submit day: Dec 1–Apr 10*)
- The Chemistry Communication Awards (*Apr 1–Jun 30*)
- Children’s Chemical Experiment Show (*Jul 29–31, The National Museum of Emerging Science and Innovation, Tokyo*)
- Symposium of Analytical Chemistry for Space Exploration (*Sep 27, Tokyo Institute of Technology*)
- Japanese Chemists Exhibition (*Autumn, National Science Museum*)
- IYC Symposium “Polymers for Our Future” (*Nov 26, Keio University*)
- Open School of Chemical Experiments (*throughout-year, more than 500*)
- Tour on Chemical Plants (*throughout-year, 150 plants*)





2011年は 世界化学年 Chemistry our life, our future

<http://www.iyc2011.jp/>

化学に対する社会の理解増進
近い将来の化学への興味の喚起
創造的未來への化学者の貢献ある貢献への支援
女性の化学における活躍の場の支援

- このほか多くの記念行事が学協会・団体などによって企画されています。
- 行予定 <http://www.iyc2011.jp/schedule-j.html>
 - 世界化学年カウントダウン記念シンポジウム (11月 9:30-11:00)
 - IYC 2011 Launching Ceremony (11/07-08 19:00-22:00)
 - キュリー夫人科学伝記読書感想文コンクール (11/01-12/10 9:00-18:00)
 - 化学年記読書フォーラム「グリーンイノベーションを促す」 (11/02-04 10:00-18:00)
 - 化学年記念シンポジウム「化学が未来をリードする条件は」 (11/03 9:00-18:00)
 - 化学コミュニケーション賞 (11/01-12/10 9:00-18:00)
 - 「化学-21」展林みどりも化学実験ショー (11/03-31 10:00-17:00)
 - 「私たちの魔法—化学（新）発見」展 (11/03-07/07 9:00-18:00)
 - 金沢高専化学クラブ (7月 9:00-18:00)
 - キュリー夫人の理科教室 (11月 9:00-18:00)
 - 公開記念シンポジウム「宇宙を語る分析化学」 (11/07 9:00-18:00)
 - 世界化学年記念シンポジウム「高分子が未来を開く」 (11/15 9:00-18:00)
 - 日本の化学賞 (11月 9:00-18:00)
 - 大学1日体験化学教室 (11月 9:00-18:00)
 - 「化学-21」わくわく理科・実験教室 (11月 9:00-18:00)
 - 出版講座・実験体験講座 (11月 9:00-18:00)

2011年は「世界化学年」

International Year of Chemistry 2011

西出宏之 Hiroyuki HISHIDE
(世界化学年日本委員会実行委員長 早稲田大学先進理工学研究所教授)

キュリー夫人のノーベル化学賞受賞から100年目に当たる2011年を「世界化学年」(International Year of Chemistry)とすることを2008年春に開催された国際連合総会は決めました。これは日本学術会議化学委員会が国際連合・応用化学連合(IUPAC)からの呼びかけに賛同し、化学委員会(IUPAC)を代表として、わが国が国際連合として国際連合教育科学文化機関(UNESCO)に働きかけ実現したものです。2011年はまた、IUPACの前身である国際化学会連合(International Association of Chemical Societies)が設立されて100年目にも当たります。

世界化学年の統一テーマは、「Chemistry—our life, our future」です。「化学に対する社会の理解増進」「近い将来の化学への興味の喚起」「創造的未來への化学者の活躍の場の支援」そして「女性の化学における活躍の場の支援」を目的に掲げています。(IYC2011ホームページ <http://www.chemistry2011.org/>)

これまでわが国におきましては、高分子学会はじめ化学関係の学協会・学団体、大学や企業がすでにこの趣向・目的に沿った活動を長年にもわたって進めてきてきています。これらに事業を継承発展させるために、「2011年を化学の年」として、化学のいっそうの振興と社会への幅広い普及・啓蒙・人材育成に当てるべく、野依良治委員長のもと「世界化学年日本委員会」が昨年8月に発足しました。

事務局は日本学術会議化学委員会(IUPACに対する日本代表機関)の付託により、日本化学連合(副委員長に置かれ、同じく協力要請が高分子学会はじめ化学系学協会にされました。〔一般社団法人〕日本化学連合は同本、海本、空母副会長らが発起して2007年設立の化学系学協会連合体で、加盟団体17学協会、会員の数は重複を控えて約8万人(<http://www.jucs.org/>)。化学者コミュニティの考えを、社会に届けた全委員に対して発信しています。科学技術政策、たとえば、いわゆる仕分けへの意見、地球温暖化対策における科学者の責任、若年人材の育成への

講演などです。世界化学年では、22の化学系学協会等種別との連絡会をもち、展開しています。高分子学会、化学系学会および日本化学工業協会・産業界の、趣向に沿った講座を「世界化学年」の旗の下にとりまとめ進捗5計画です。

IUPAC主催の開会式(11月)、全体会(12月ブルゴマ、開会(12月ブルゴマ)なども開催して、昨年12月のカウントダウン記念シンポジウム(東京)、PACIFICHEM(ハワイ)での発展シンポジウムに引き続き、3月末の日本化学年会(神奈川県)では公開シンポジウムなどが開催されます。例年より充実した化学者21「夏休みの化学実験ショー」(7月、予定)はじめ、それぞれ工夫した賞状の発行として、各学協会が市民講座や実験教室などを企画して、世界共通ロゴを冠して広報も進めています(問い合わせ、事務局 <http://www.iyc2011.jp/>)

IYC2011年記念として新しい事業も企画されています。「キュリー夫人科学伝記」から小・中学生に人間としての生き方を考えてもらう読書感想文コンクール、啓蒙活動・情報発信を通して「化学」に対する社会の理解を深めることに貢献した個人・団体を表彰する「化学コミュニケーション賞」の創設、化学の実験や現象を展示するコーナーを科学館に設けてもらう「見える化学・触れる化学(仮称)」(日本科学未来館)などです。

「世界化学年」事業を通して、わが国の科学・技術がいっそう振興し、持続可能な社会を支える人材の育成と教育の増進が図られ、2011年がわが国の強い未来に貢献する「化学の年」となることを願って日本委員会活動を開始しています。



世界化学年記念

キュリー夫人 科学伝記読書感想文 コンクール



2011年は「世界化学年」です。化学をよりよく理解し興味をもってもらうために、日本でも世界化学年日本委員会*のもとで、さまざまな活動が計画されています。その一つとして、小中学生の皆さんに、科学者キュリー夫人を通して化学をより身近に感じてもらうことを目的として、「キュリー夫人科学伝記読書感想文コンクール」を企画しました。なお、2011年はキュリー夫人のノーベル化学賞受賞から100年目にあたります。みなさんのご応募をお待ちしています。

応募要項の詳細 <http://www.iyc2011.jp/curie-j.html>
*委員長 野依良治(2001年ノーベル化学賞受賞者)

応募者の資格および部門

応募者は日本の小中学校に在籍する児童・生徒に限ります。2011年3月1日現在の在籍状況により2部門に分けて募集します。
・小学生部門(4～6年生) ・中学生部門(1～3年生)

図書

- 下記の図書を参考にして、自分で選んでください。
- 「キュリー夫人」伊東 信 著 (ポプラ社)
 - 「キュリー夫人」ドーリー 著
 - ・中村妙子訳(ポプラ社) ・梅原三三訳(信誼社) ・橋谷重雄訳(講談社)
 - ・中山知子訳(講談社) ・光吉夏跡訳(岩波書店)
 - 「キュリー夫人」エーヴ・キュリー 著
 - ・河野万里子訳(白水社) ・川口篤ほか訳(白水社) など

主催：一般社団法人日本化学連合 共催：世界化学年日本委員会
化学工業日報社 協賛：(株) 科学技術振興機構
内閣府・文部科学省 日本学術会議 全国道庁教育委員会連合会 駐日ポーランド共和国大使館
全国学校図書協議会 全国中学校理科教育研究会 日本私立学校教育研究会 全国小学校理科教育研究会
日本私立小学校連合会 朝日新聞社 科学新聞社 産経新聞社 毎日新聞社 読売新聞社 (丸の内)

世界化学年記念 化学コミュニケーション賞

応募期間

2011年4月11日(月)～6月30日(木)

世界化学年を記念して、化学コミュニケーション賞を創設し、「化学」に対する社会の理解を深めることに貢献した個人及び団体を表彰し、その栄誉を称えることに致しました。奮ってご応募いただけますようお願い申し上げます。

Reports from Membership Countries



Dr. Sunit Hendrana

Indonesia Representative to FAPS
Research Centre for Physics (PPF)
Indonesian Institute of Sciences (LIPI)

E-mail:sunit.hendrana@lipi.go.id



1. My Country – Indonesia

Indonesia is located in Equatorial. Most of Indonesia is covered by sea and consist of around 13.000 islands including 5 big Islands. Indonesia has 3.000 local languages. We do have a beautiful places for holiday such as Bali, Lombok, Jogjakarta, and other many places which is very natural and good for adventures. Komodo is animal which is the only live in Indonesia. The Indonesian culture in Indonesia is also ranging, it is expressed from the variety of dances from very dynamic to very smooth and slow dances.

2. Activities of Polymer Science in Indonesia

At the present polymer research in Indonesia focusing on exploring natural polymers, preparing biodegradable polymer and polymer for energy. The research is carried out at Universities and at research centers. Indonesian Polymer Association facilitated communication amongst polymer researcher by conducting polymer conference. The upcoming International conference will be held in exotic island, Bali (<http://www.ipst2011.org>). Indonesia polymer association also bridging communication between communities and industries by conducting workshop such as workshop on safety use of plastics and workshop on PVC. Indonesia Polymer Association publishes bi annual polymer journal.



THE SOCIETY FOR POLYMER SCIENCE (INDIA)

Dr. S.Sivaram

India Representative to FAPS
 Polymers and Advanced Materials Laboratory, National Chemical
 Laboratory, Pune, India, 411008
 President, Society of Polymer Science (India)
 E-mail: s.sivaram@ncl.res.in



Society of Polymer Science (India) (SPSI) (www.spsi.co.in) was established in 1995 with its national headquarters located at the campus of National Chemical Laboratory (www.ncl-india.org), a constituent laboratory of the Council of Scientific Research, New Delhi (www.csir.org). India had a few regional organizations catering to the needs of the polymer community prior to that time. However, in 1992, a decision was taken to merge all the regional societies and to constitute a national society.

The mission of the Society is to promote the advancement of the science and technology of polymers in India and to provide a forum for the practitioners to meet periodically and exchange information on the contemporary developments in the area. India is one of the fastest growing markets for polymers with consumptions reaching 10 million tons in 2010. India has a vibrant manufacturing and processing industry, in large, medium and small sectors.

The Society is registered as a non profit entity and is managed by an elected body of office bearers consisting of a President, two Vice Presidents, an Honorary Secretary, a Treasurer and nine Executive Committee Members. The activities of the Society are conducted through 11 Chapters located all over India. The chapters organize local events on a regular basis for the benefit of their members. SPSI organizes a national conference, once in two years, in different parts of India. Since 1991, when the first such Conference was organized in Pune, India, ten conferences have been organized. The Society has close to 1000 life members and several student members. The Society's conferences are well attended with over 600 participants with a large number of speakers from overseas. These national conferences showcase the best of polymer science research in India. SPSI is a member of the Federation of Polymer Societies and is listed in the World Polymer Organizations brought out by the Society of Polymer Science, Japan. SPSI seeks wider collaboration with likeminded institutions, especially in the Asia region to fulfill its mission.



www.thaipolymersociety.org

สมาคมโพลิเมอร์แห่งประเทศไทย
POLYMER SOCIETY OF THAILAND

ส่งเสริมงานและพัฒนางานวิชาการทางด้านเคมี โพลิเมอร์และวัสดุพอลิเมอร์ในประเทศไทย

Dr. Krisda Suchiva

Thailand Representative to FAPS
Department of Chemistry, Faculty of Science, Mahidol University,
Bangkok, Thailand

President of the Polymer Society of Thailand

E-mail: scksc@mahidol.ac.th; tps@thaipolymersociety.org



1. My Country – Thailand

Thailand is situated in the central of southeast Asia and is surrounded by Myanmar, Laos, Cambodia and Malaysia. The country is about the size of France (513,000 km²) with 65 millions inhabitants. Thailand is basically an agricultural country and is the world's leader in the production of natural rubber and rice but manufacturing industry also contributes significantly to the country's economy. Examples of important industries are agro, food, electronic, automotive and petrochemical industries. Thailand is rich in cultures dating back to more than 800 years and possesses many natural attractions ranging from mountains to seaside beaches. Important cities are Bangkok, Chiangmai, Phuket, Songkhla and Khonkhan.

2. Activities of Polymer Science, Technology and Engineering in Thailand

The development of polymer activities in Thailand are quite recent compared with other scientific disciplines such as chemistry, physics, biology and mathematics and was spurred by the growth of the petrochemical and the rubber industries. Presently, the Thai petrochemical industry is the largest in the region whereas the natural rubber production industry is the largest in the world. There are many investments by multi-national firms in the plastics and the rubber industries such as Bayer, Mitsui, Ube, Michelin, Bridgestone and Goodyear. Local companies are mostly small and medium sizes. The directions of polymer research of the country are natural rubber, functional polymers for agriculture, food, energy, environment and medicine. The Polymer Society of Thailand was established in 1999 to be the focal point for exchange of information and collaboration among the Thai polymer scientists, technologists and engineers and to promote the development of polymer activities in Thailand. The Society regularly organizes seminars, conferences, lectures and also publishes quarterly newsletters in Thai language.

FAPS Membership Countries

Country	Society Name	Member [e-mail]
China/ Beijing*	The Polymer Division of the Chinese Chemical Society	Prof. Zi-chen Li [zcli@pku.edu.cn] Prof. Fosong Wang [fswang@peoplemail.com.cn]
India*	The Society of Polymer Science, India	Dr. S. Sivaram [s.sivaram@ncl.res.in] Dr. R.P. Singh [rp.singh@ncl.res.in]
Japan*	Society of Polymer Science, Japan (SPSJ)	Prof. Hiroyuki Nishide [nishide@waseda.jp] Prof. Hiroyuki Ohno [ohnoh@cc.tuat.ac.jp] Dr. Takashi Mihara [mihara@spsj.or.jp]
Korea*	Polymer Society of Korea	Prof. Jung-II Jin [jijin@korea.ac.kr] Prof. Jungahn Kim [jakim05@khu.ac.kr] Prof. Dong Hoon Choi [dhchoi8803@korea.ac.kr]
Bangladesh	Bangladesh Chemistry Society	Bangladesh Chemical Society [bchemsoc@bangla.net] Prof. Md. Abul Hashem
China/ Taipei	The polymer Society, Taipei	Prof. Show-An Chen [sachen@che.nthu.edu.tw]
Indonesia	Indonesian Polymer Association, Himpunan Polimer Indonesia (HPI)	Dr. Sunit Hendrana [shendrana@yahoo.com]
Malaysia	Institute Kimia Malaysia (Malaysian Institute of Chemistry)	Datuk Dr Soon Ting-Kueh [soontk@ikm.org.my]
Nepal	Nepal Chemical Society	Nepal Chemical Society [nepchemsoc@yahoo.com] Dr. Rameshwar Adhikari
Pakistan	Chemical Society of Pakistan	Dr. Khalid M. Khan [khalid.khan@iccs.edu]
Russia	Polymer Council of Russia Academy of Sciences	Prof. Alex Khokhlov [khokhlov@polly.phys.msu.ru]
Singapore	The Plastics and Rubber Institute of Singapore	Prof. HU Xiao [ASXHU@ntu.edu.sg]
Thailand	Polymer Society of Thailand	Dr. Krisda Suchiva [krisdasc@mtec.or.th]
Uzbekistan	Institute of Nuclear Physics, Department of Composite Materials	Prof. Ulmas Gafurov [ulmas3@mail.ccc.uz]
Vietnam	Polymer Society of Vietnam	Prof. Nguyen Duc Nghia [ducnghia264@pft.vn]

*: Founding Member

Report on The FAPS Mini Symposium-2010

Hiroyuki Ohno

The FAPS mini symposium was held on May 28th, 2010 in Pacifico Yokohama, Congress Center, Japan.

1. Opening remarks, Prof. Hiroyuki Nishide (Waseda Univ.)

Invited Lectures:

2. Acid-labile thermoresponsive polymers and their application in drug delivery,
Prof. Zi-Chen Li (Peking Univ.)
3. Synthesis of functionalized poly(ethylene oxide)s for their applications in DDS,
Prof. Jungahn Kim (Kyung Hee Univ.)
4. Polymer based Nano-composites,
Prof. Ashok Misra (Indian Inst. Tech.)
5. Total Discussion (All members of FAPS council member countries)

First Prof. Hiroyuki Nishide, president of FAPS, had an opening address. Prof. Nishide reported the successful start of the FAPS after the founding president, Prof. Jung-II Jin. He asked the participants to have effective discussion as well as warm exchange of the friendship.





There were three invited lectures. Prof. Zi-Chen Li had a lecture on the thermoresponsive polymers for drug delivery system. Prof. Jungahn Kim also gave a lecture on the functionalized poly(ethylene oxide)s also for drug delivery systems. These two related talks collected interests of the participants. Prof. Ashok Misra delivered the lecture on the polymers for nano-composites. All these three invited talks were very inspirable for future polymer science.

After the invited talks, participants felt that the second FAPS symposium in Beijing, China would collect many participants and many interests on the polymers.



Announcement

The 2nd FAPS Polymer Congress (FAPS-PC2011)

<http://www.faps-pc2011.org>

Conference Date: May 8-11, 2011

Conference Venue: China National Convention Center (CNCC), Beijing, China

Organizing Committee

Chair: Fosong WANG

Lijia AN	Yong CAO	Jianhua DONG	Zhijia GAN
Jie HU	Lei JIANG	Guangxian LI	Zichen LI
Jin MA	Jinliang QIAO	Linqi SHI	Benzhong TANG
Dujin WANG	Lixiang WANG	Xianhong WANG	Chi WU
Bai YANG	Yuliang YANG	Zhenzhong YANG	Xi ZHANG
Qiang ZHENG	Qifeng ZHOU		

Program Committee

Chair: Xianhong WANG

Local Committee

Chair: Zhijia GAN

Secretary General: Zi-Chen LI

FAPS Council Members :

Jung-II JIN (Korea); Jungahn KIM (Korea)

Zi-Chen LI (China); Ashok MISRA, (India)

Hiroyuki NISHIDE (Japan); Hiroyuki OHNO (Japan)

S.RADHAKRISHNAN (India); Fosong WANG (China)

FAPS Newsletter #3

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Photos/The Society of Polymer Science, Japan